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# Fax Cover Sheet

**Date:** 30 Mar 2006

<b>To:</b> Janae	<b>From:</b> Tekchand Saidha
<b>Application/Control Number:</b> 10/670,009	<b>Art Unit:</b> 1652
<b>Fax No.:</b> (515) 288 1338	<b>Phone No.:</b> (571) 272 0940
<b>Voice No.:</b>	<b>Return Fax No.:</b> (703) 872-9306
<b>Re:</b>	<b>CC:</b>
<input type="checkbox"/> <b>Urgent</b> <input type="checkbox"/> <b>For Review</b> <input type="checkbox"/> <b>For Comment</b> <input type="checkbox"/> <b>For Reply</b> <input checked="" type="checkbox"/> <b>Per Your Request</b>	

**Comments:**

Sequence homology Summary results For SEQ ID NO: 1 & 5.

**Note-**

US Patent 6,350,935 (FaEx1, SEQ ID NO: 4), strawberry expansin is 48.9% identical to Applicants' SEQ ID NO: 5. Correction : Office Action, page 7, Accession No. T13320 should read AAT13320 and is Applicants' SEQ ID NO: 1, and Accession No. V68447 should read AAV68447.

**Number of pages 3 including this page**

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Tue Oct 15 18:05:20 2002

us-09-896-301-1.rng

Page 1

GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Compugen Ltd.

OM nucleic - nucleic search, using SW model

Run on: October 13, 2002, 18:25:39 ; Search time 244 Seconds  
(without alignments)  
4791.880 Million cell updates/sec

Title: US-09-896-301-1

Perfect score: 681  
Sequence: 1 gactacggtggtggtgagag.....cctatgaaggcctcaatc 681

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Capext 1.0

Searched: 1736436 seqs, 858457221 residues

Total number of hits satisfying chosen parameters: 3472872

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database:

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23: /SIDSI/gcgdata/genseq/genseqn-emb1/NA2001B.DAT.\*  
24: /SIDSI/gcgdata/genseq/genseqn-emb1/NA2002.DAT.\*

pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	681	100.0	681	17	AA113320
2	392.8	57.7	1015	21	AA13320
3	392.8	57.7	1016	21	AA13320
4	377.6	55.4	780	21	AA13320
5	377.6	55.4	1198	21	AA13320
6	377.6	55.4	1233	21	AA13320
7	366.8	53.8	1236	21	AA13320
8	358.6	52.7	1324	21	AA13320
9	353.8	52.0	1336	21	AA13320

10	351.4	51.6	1366	21	AA13320
11	350.2	51.4	1312	21	AA13320
12	341.6	50.2	1319	21	AA13320
13	338.2	49.7	1167	22	AA13320
14	338.2	49.6	1205	21	AA13320
15	331.6	48.7	1201	21	AA13320
16	316.6	46.5	1236	21	AA13320
17	313.6	46.0	488	21	AA13320
18	313.4	45.9	824	21	AA13320
19	312.8	45.9	1233	22	AA13320
20	301.2	44.2	1037	21	AA13320
21	299.4	44.0	1293	21	AA13320
22	296.2	43.5	1291	21	AA13320
23	287.6	42.2	475	21	AA13320
24	276.4	40.6	537	20	AA13320
25	262.2	38.5	1103	22	AA13320
26	259.4	38.1	727	17	AA13320
27	259.4	38.1	727	17	AA13320
28	259.4	38.1	727	18	AA13320
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30	253.4	37.2	727	21	AA13320
31	253.4	37.2	2415	17	AA13320
32	253.4	37.2	2415	17	AA13320
33	253.4	37.2	2415	18	AA13320
34	253.4	37.2	980	21	AA13320
35	250	36.7	702	20	AA13320
36	242.8	35.7	448	21	AA13320
37	242.8	35.7	501	20	AA13320
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39	218.2	32.0	695	21	AA13320
40	208.8	30.7	1141	21	AA13320
41	204.6	30.0	437	21	AA13320
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43	177	26.0	1137	21	AA13320
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# ALIGNMENTS

RESULT: 1  
ID: AA113320 standard; DNA: 681 BP.  
AC: AA113320;  
DT: 08-JUL-1996 (first entry)  
DE: Cucurbit expansin-29 cDNA.  
KW: Expansin-29; plant cell wall; cellulose; paper recycling; de-linking;  
KW: polysaccharide; cucumber; ss.  
OS: Cucumis sativus var. Burpee Pickler.  
PN: AU9540262-A.  
PD: 04-APR-1996.  
PE: 12-MAY-1994; 94AU-0068320.  
PR: 12-MAY-1995; 95US-0440517.  
PX: 12-MAY-1993; 93US-0060944.  
PY: (PENN-) PENN STATE RES FOUND.  
PT: Cosgrove DJ, McQueen-Mason S;  
WPI: 1996-201150/21.  
P-PSDB: AAR94527.  
Expansin proteins which alter the mechanical strength of

Db 121 AFRRVPCEKGGGIRRTINGNPNPYFDLVLT